Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/06/2017 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123130	-2	2.32	123056	2.31
Blue	F	SSC	125000	122623	-2	3.11	123143	2.99
Blue	E	FITC	23795	22731	-5	3.06	1009	10.95
Blue	D	PE	29673	28933	-3	2.76	1038	10.45
Blue	B	PerCP-Cy5-5	48943	47782	-3	3.90	1370	18.01
Blue	A	PE-Cy7	44112	43927	-1	5.68	676	38.23
Red	C	APC	54273	53078	-3	2.98	3074	9.88
Red	A	APC-Cy7	54945	53304	-3	3.05	1104	11.79
Violet	B	V450	15756	15036	-5	4.43	722	9.51
Violet	A	V500	62569	61233	-3	4.24	2705	6.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19493	4.05	613	-1	N/A	N/A	Pass
Blue	F	SSC	60196	2.27	550	4	N/A	N/A	Pass
Blue	E	FITC	114	39.65	551	1	0.0184	118	Pass
Blue	D	PE	227	30.35	549	3	0.1441	237	Pass
Blue	B	PerCP-Cy5-5	214	47.89	641	2	0.0089	99	Pass
Blue	A	PE-Cy7	71	131.79	699	0	0.0103	18	Pass
Red	C	APC	354	28.87	602	2	0.0184	52	Pass
Red	A	APC-Cy7	120	41.74	581	-3	0.0049	1270	Pass
Violet	B	V450	86	43.70	472	0	0.0407	1721	Pass
Violet	A	V500	198	22.44	500	1	0.0139	249	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.60	-30.96	0.91
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.74	13.27 - 19.91	N/A	N/A	30.84	31.46	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13935

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments